

Product datasheet for RN212592

Myo1b (NM_053986) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo1b (NM_053986) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myo1b
Synonyms:	Myr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN212592 representing NM_053986 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAAGAAGGAGGTAAAATCCTCACTTCTGGACAATATGATCGGCGTTGGAGATACGGTTCCTTGG
AGCCTCTCAACGAGGAGACGTTTCATCGACAACCTGAAGAAGCGCTTCGATCACAATGAGATATATACATA
CATCGGGAGTGTGTTATATCTGTTAACCCCTACCGGTCCTTGCCATTTATTCACCAGAGAAAAGTGAA
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CCCTCCGTGATCAAGATAAAGATCAGTGCATTCTCATTACTGGGAGAGTGGAGCGGGAAAAACAGAGGC
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ATTATGCTGGCAAGGTGCTATACCAGGTGGAAGGGTTTGTGACAAGAACAATGACCTTCTGTACCGAGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053986
- Insert Size:** 3411 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_053986.1](#), [NP_446438.1](#)
RefSeq Size: 3607 bp
RefSeq ORF: 3411 bp
Locus ID: 117057
UniProt ID: [Q05096](#)
Cytogenetics: 9q22
Gene Summary: alternative splice forms Myr1a-c bind F-actin; splice form Myr1a may play a role in neuronal development [RGD, Feb 2006]